

Substitute for form 1448A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/684,740
		Filing Date	October 14, 2003
		First Named Inventor	Shalini Sharma
		Art Unit	1824
		Examiner Name	Sudhaker Patel
		Attorney Docket Number	18015-D3
Sheet 1	of 10		

[illegible]

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Class No.	Foreign Patent Document <small>Country Code - Number - Kind Code (if known)</small>	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
11/11/02		WO 02/59077 (abstract)	08/2002	—	—
11/11/02		WO 02/14291 (abstract)	02/2002	—	—
11/11/02		WO 02/02119 (abstract)	01/2002	—	—
11/11/02		WO 01/81340 (abstract)	11/2001	—	—
11/11/02		BR 9802183 (abstract)	11/2000	—	—
11/11/02		JP 01/181281 (abstract)	07/1989	—	—
11/11/02		WO 00/23409 (abstract)	04/2000	—	—
11/11/02		WO 89/62520 (abstract)	12/1999	—	—
11/11/02		WO 88/25608 (abstract)	06/1998	—	—
11/11/02		JP 10130241 (abstract)	05/1998	—	—

Examiner Signature	<i>John B. Baker</i>	Date Considered	5/4/04
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1. Applicant's unique citation designation number (optional). 2. See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP §01.04. 3. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6. Applicant is to place a check mark here if English language Translation is attached.

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









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Substituted for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>		Completed If Known Application Number 10/684,740 Filing Date October 14, 2003 First Named Inventor Shalini Sharma Art Unit 1624 Examiner Name Sudhaker Patel Attorney Docket Number 18015-D3	
Sheet	2	of	10

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		Country Code - Number - Kind Code (if known)			
         		WO 98/08836 (abstract)	09/1998	—	—
		WO 95/13262 (abstract)	05/1995	—	—
		WO 94/27993 (abstract)	12/1994	—	—
		WO 93/08799 (abstract)	06/1993	—	—
		JP 04159266 (abstract)	06/1992	—	—
		EP 407891 (abstract)	01/1991	—	—
		EP 393400 (abstract)	10/1990	—	—
		JP 01063570 (abstract)	03/1989	—	—
		WO 88/08418 (abstract)	11/1988	—	—
	EP 288190 (abstract)	10/1988	—	—	

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		Application Number	10/684,740
		Filing Date	October 14, 2003
		First Named Inventor	Shalini Sharma
		Art Unit	1624
		Examiner Name	Sudhaker Patel
		Attorney Docket Number	18015-03
Sheet	3	of	10

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		Country Code ² - Number ³ - Kind Code ⁴ (if known)			
[Handwritten marks]		JP 61040270 (abstract)	02/1986	—	—
		JP 55015460 (abstract)	02/1980	—	—
		GB 1488330 (abstract)	10/1977	—	—
		JP 52025734 (abstract)	02/1977	—	—
		DE 2527066 (abstract)	01/1976	—	—
		DE 2459466 (abstract)	07/1975	—	—
		FR 2191887 (abstract)	01/1974	—	—
		JP 47025149 (abstract)	10/1973	—	—
		JP 56115747 (abstract)	11/1981	—	—
		DE 3012012 (abstract)	10/1981	—	—

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Sheet 4		Application Number 10/884,740	
of 10		Filing Date October 14, 2003	
		First Named Inventor Shalini Sharma	
		Art Unit 1624	
		Examiner Name Sudhaker Patel	
		Attorney Docket Number 18015-D3	

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		Country Code ² - Number ³ - Kind Code ⁴ (if known)			
		JP 50014853 (abstract)	02/1995	—	—
		DE 2512673 (abstract)	10/1975	—	—
		DE 1929185 (abstract)	08/1969	—	—
		ZA 6705655 (abstract)	01/1967	—	—
		WO 87/30017	08-21-1987	Shinkal, et al.	—
		WO 98/07681	02-28-1998	Meinet, et al.	—
		WO 99/62520	12-09-1999	Young, et al.	—
		EP 71399	02-09-1983	Tsung, et al.	—
		WO 92/12123	07-23-1992	Schrlin, et al.	—
		WO 00/83181	10-28-2000	Kolb, et al.	—

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Substitute for form 1449B/PTO		Compl to If Kn wn	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/684,740
		Filing Date	October 14, 2003
		First Named Inventor	Shalini Sharma
		Group Art Unit	1624
		Examiner Name	Sudhaker Patel
Sheet 5	of 10	Attorney Docket Number	18015-03

NON PATENT PUBLICATIONS			
Examiner Initials	Cite No. 1	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
<i>[Signature]</i>		Karche, et al., "Electronic Effects in Migratory Groups...", Journal of Organic Chemistry, Vol. 68, No. 19, pages 6323-6332, 2001. (Abstract)	✓
<i>[Signature]</i>		Poupardin, et al., "First approach to the cycloisodityrosine unit of RA-IV", Tetrahedron Letters, Vol. 42, No. 8, pages 1523-1526, 2001. (Abstract)	✓
<i>[Signature]</i>		Manthey, et al., "Synthesis of Human Ultraviolet Filter Compounds...", Journal of Organic Chemistry, Vol. 64, No. 11, pages 3930-3933, 1999. (Abstract)	✓
<i>[Signature]</i>		Wu, et al., "Improvement on the preparation of .beta.-keto esters", Huaxue Shiji, Vol. 20, No. 5, pages 376-377, 1998. (Abstract)	✓
<i>[Signature]</i>		Wu, et al., "Total syntheses of furoguaiacin and related analogs", Huaxue Yanjiu Yu Yingyong, Vol. 8, No. 8, pages 595-599, 1997. (Abstract)	✓
<i>[Signature]</i>		Fadnavis, et al., "Baker's yeast mediated enantiospecific synthesis of anti-(2R,3R)...", Tetrahedron: Asymmetry, Vol. 8, No. 24, pages 4003-4006, 1997. (Abstract)	✓
<i>[Signature]</i>		Wu, et al., "A modification of the Knorr oxidative coupling method for preparation of 1,4-diketones", Synthetic Communications, Vol. 27, No. 2, pages 331-336, 1997. (Abstract)	✓
<i>[Signature]</i>		Girard, et al., "Syntheses of the syn and anti .alpha.-amino-.beta.-hydroxy add of vancomycin...", Tetrahedron Letters, Vol. 37, No. 44, pages 7967-7970, 1996. (Abstract)	✓
<i>[Signature]</i>		Smith, et al., "Synthesis and PAF antagonist activity of some 2,5-diaryltetrahydrofurans incorporating PAF-like functional groups", European Journal of Medicinal Chemistry, Vol. 31, No. 5, pages 347-358, 1996. (Abstract)	✓
<i>[Signature]</i>		Maruyama, et al., "A synthesis of (+,-)-phoresinol and its related compound using potassium persulfate (K2S2O8) oxidation of benzoylacetates", Heterocycles, Vol. 37, No. 2, pages 839-845, 1994. (Abstract)	✓
<i>[Signature]</i>		Rao, et al., "Studies on cyclodepsipeptides. Part II. The total synthesis of jaspamide and geodiamolide-D", Tetrahedron Letters, Vol. 34, No. 44, pages 7085-7088, 1993. (Abstract)	✓

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/884,740
		Filing Date	October 14, 2003
		First Named Inventor	Shailini Sharma
		Group Art Unit	1524
		Examiner Name	Sudhater Patel
Sheet 8	of 10	Attorney Docket Number	18015-D3

NON PATENT PUBLICATIONS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), date of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JS		Colotta, et al., "Tricyclic heteroaromatic systems...", Farmaco, Vol. 48, No. 10, pages 1139-1154, 1991. (Abstract)	
JS		Dillard, et al., "(Phenylmethoxy) phenyl derivatives of w-oxo- and w-tetrazolylalkanoic acids...", J. Med. Chem., Vol. 34, No. 9, pages 2768-2770, 1991. (Abstract)	
JS		Bose, et al., "Synthesis of 4-phenylcoumarins from Dalbergia volubilis and Exostema caribaeum", Phytochemistry, Vol. 30, No. 7, pages 2438-2439, 1991. (Abstract)	
JS		Bose, et al., "Synthesis of 4-phenylcoumarins", Indian J. Chem., Sect. B, Vol. 28B, No. 5, pages 422-444, 1990. (Abstract)	
JS		Colotta, et al., "Tricyclic heteroaromatic systems...", J. Med. Chem., Vol. 33, No. 8, pages 2646-2651, 1990. (Abstract)	
JS		Kameo, et al., "Studies on hypolipidemic agents, IV. 3-[4-(Phenylthio) benzoyl] propionic acid derivatives", Chem. Pharm. Bull., Vol. 37, No. 5, pages 1260-1267, 1989. (Abstract)	
JS		Colotta, et al., "Tricyclic heteroaromatic systems: synthesis...", J. Pharm. Sci., Vol. 78, No. 3, pages 239-242, 1989. (Abstract)	
JS		Tanaka, et al., "Total synthesis of coumarinogignans, aquilochin (deomiscosin C) and deomiscosin D", Chem. Pharm. Bull., Vol. 36, No. 10, pages 3833-3837, 1988. (Abstract)	
JS		Pammar, et al., "Synthesis of new naturally occurring 4-phenyl-2H-1-benzopyran-2-ones", Bull. Chem. Soc. Jpn., Vol. 61, No. 6, pages 2277-2279, 1988. (Abstract)	
JS		Colotta, et al., "The correct synthesis of 2,3-dihydro-2-aryl-4-R-[1] benzopyrano [4,3-c] pyrazole-3-ones", Tetrahedron Letters, Vol. 29, No. 43, pages 5165-5168, 1987. (Abstract)	
JS		Tanaka, et al., "Total synthesis of daphneticin, a coumarinogignoid", Chem. Pharm. Bull., Vol. 34, No. 2, pages 628-632, 1986. (Abstract)	

Examiner Signature	<i>Sudhater Patel</i>	Date	5/4/04
Signature		Considered	

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Substitute for form 1442B/PTO		Compl t / Kn wn	
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		Filing Date	October 14, 2003
		First Named Inventor	Shailni Sharma
		Group Art Unit	1624
		Examiner Name	Sudhaker Patel
Sheet 7	of 10	Attorney Docket Number	18015-D3

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SP		Ahluwalia, et al., "Synthesis of stevenin and metanenin", Symp. Pap.- IUPAC Int. Symp. Chem. Nat. Prod., 11th, Volume 3, pages 11-13, 1978. (Abstract)	-
SP		Yamaguchi, "Degradation of protelignin with metallic sodium in liquid ammonia", Ringyo Shikenjo Kenkyu Hokoku, Vol 281, pages 1-78, 1976. (Abstract)	-
SP		Okumura, et al., "Synthesis of chromone-3-carboxanilides", Chem. Pharm. Bull., Vol 22, No. 2, pages 331-336, 1974. (Abstract)	-
SP		Von Wacek, et al., "Synthesis of methoxylated compounds for a comparative investigation of the stability of methyl ether groups", Monatsh. Chem., Vol. 97, No. 3, pages 744-753, 1968. (Abstract)	-
SP		Wasa, et al., "The preparation of the biosynthetic precursor 3,7-dihydroxy-2, 6-dimethoxyphenothroindolizidine", J. Nat. Prod., Vol. 51, No. 1, pages 172-176, 1988. (Abstract)	-
SP		Wong, et al., "Wedelolactone and coumestan derivatives as new antihepatotoxic and antiplogistic principles", Arzneim.-Forsch., Vol. 38, No. 5, pages 661-665, 1988. (Abstract)	-
SP		Witak, et al., "Synthetic acid-reductions, 3,4-Dihydroxy-2H-1-benzopyren-2-ones and their cis- and trans-4a, 5,6,7,8,8a-hexahydro diastereomers", J. Med. Chem., Vol. 31, No. 7, pages 1437-1445, 1988. (Abstract)	-
SP		Entzeroth, et al., "Preparation of 3- (3-Indolyl) Lactic acids...", Liebigs Ann. Chem., No. 2, pages 226-230, 1983. (Abstract)	-
SP		Bhakuni, et al., Biosynthesis of tylophorine and tylophorinine", Tetrahedron, Vol. 37, No. 2, pages 401-407, 1981. (Abstract)	-
SP		Naidu, et al., "Debenzylation by nickel-aluminum alloy", J. Indian Inst. Sci., Vol. 62, No. 10, pages 177-180, 1980. (Abstract)	-
SP		Oke, et al., "Syntheses of N-heterocyclic compounds. XXVI. Syntheses of pyrido [3,4-d] pyridazine derivatives", Chem. Pharm. Bull., Vol. 23, No. 10, pages 2308-2317, 1975. (Abstract)	-

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Sheet 8	of 10		

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[Signature]		Saunders, et al., "Syntheses of carbon-14-labeled prifedilol dihydrochloride", J. Labelled Compd. Radiopharm., Vol. 22, No. 9, pages 889-891, 1985. (Abstract)	
[Signature]		Arnold, et al., "Synthesis and sweet taste of some 2-phenylbenzodioxanes", J. Agric. Food Chem., Vol. 34, No. 2, pages 339-344, 1986. (Abstract)	
[Signature]		Winters, et al., "Synthesis and pregnancy terminating activity of pyrazolo [1,5-a] indoles and quinolines", Eur. J. Med. Chem.-Chim. Ther., Vol. 19, No. 3, pages 215-218, 1984. (Abstract)	
[Signature]		Herbert, et al., "Biosynthesis of phenanthroindolizidine alkaloids: incorporation of 2-pyrrolidin-2-ylacetylphenone and benzoylacetic acid and derivatives", J. Chem. Soc., Perkin Trans. 1, No. 4, pages 825-831, 1984. (Abstract)	
[Signature]		Toja, et al., "Synthesis and pregnancy terminating activity of 2-arylpyrazolo (5,1-b) isoindoles and isoquinolines", Eur. J. Med. Chem.-Chim. Ther., Vol. 17, No. 3, pages 223-227, 1982. (Abstract)	
[Signature]		Ahluwalia, et al., "An unambiguous synthesis of melannin", Indian J. Chem., Sect. B, Vol. 21B, No. 3, pages 189-189, 1982. (Abstract)	
[Signature]		Peller, et al., "Synthesis and NMR spectra of 2,6- and 2,4-diaryl-3,7-dioxabicyclo [3.3.0] octanes", J. Chem. Soc., Perkin Trans. 1, No. 1, pages 183-190, 1982. (Abstract)	
[Signature]		Mangla, et al., "Synthesis of substituted 6,7-diphenyl-1,2,3,5,8,8a-hexahydroindolizines", Indian J. Chem., Sect. B, Vol. 19B, No. 11, pages 831-837, 1980. (Abstract)	
[Signature]		Mangla, et al. "Synthesis of tylophorine", Tetrahedron, Vol. 36, No. 17, pages 2489-2490, 1980. (Abstract)	
[Signature]		Ahluwalia, et al., "A novel synthesis of 4-phenylcoumarins having a free hydroxyl group in the phenyl ring: synthesis of melanettin and stevenin", Heterocycles, Vol. 14, No. 9, pages 1329-1330, 1980. (Abstract)	
[Signature]		Charlton, et al., "The synthesis of 2-methylchromone-3-carboxylic acid", J. Heterocycl. Chem., Vol. 17, No. 3, pages 593-594, 1980. (Abstract)	

Examiner Signature	[Signature]	Date Considered	8/4/04
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² Applicant's unique citation designation number (optional). ³ Applicant is to place a check mark here if English language Translation is attached.

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Substitute for form 1449B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <small>(use as many sheets as necessary)</small>		Application Number	10/884,740
		Filing Date	October 14, 2003
		First Named Inventor	Shalini Sharma
		Group Art Unit	1624
		Examiner Name	Sudhaker Patel
Sheet 9 of 10	Attorney Docket Number	18015-03	

NON PATENT PUBLICATIONS			
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issu number(s), publisher, city and/or country where published	T ²
JS		Lu, et al., "The New Antidiabetic Drug MCC-555 Acutely Sensitizes Insulin Signaling in Isolated Cardiomyocytes", Endocrinology, Vol 139, No. 11, pages 4531-4539, (1998).	
JS		Kees, et al., "Perfluoro-N-[4-(1 H-tetrazol-5-ylmethyl) Phenyl]-alkanamides. A New Class of Oral Antidiabetic Agents", Journal of Medicinal Chemistry, Vol. 32, pages 11-13, (1989).	
JS		Shinkai, et al. "4-(trans-4-Methylcyclohexyl)-4 Oxobutyric Acid (JTT-608). A New Class of Antidiabetic Agent", Journal of Medicinal Chemistry, Vol 41, No. 27, pages 5420-5428, (1998).	
JS		Abstract 560-P, Hodge, et al. "PN2022: Antidiabetic Efficacy and Reversal of Steatohepatitis in ob/ob Mice", Diabetes, Abstract Book 62nd Scientific Sessions, Vol. 51 Suppl. 2, page A139, June 2002.	
JS		Abstract 581-P, Hodge, et al., "PN2034: Orally Active Antidiabetic Agent with a Unique Spectrum of Activity and Enhanced Safety Profile", Diabetes, Abstract Book 62nd Scientific Sessions, Vol. 51 Suppl. 2, page A139, June 2002.	
JS		Abstract 568-P, Lu, et al., "A Novel Antidiabetic Agent That is a Selective PPAR Modulator", Diabetes, Abstract Book 62nd Scientific Sessions, Vol 51, Suppl. 2, page A141, June 2002.	
JS		Abstract 586-P, von Borstel, et al., "PN2034: Reversal of Insulin Resistance and Attenuation of Weight Gain in Mice on a High-Fat Diet", Diabetes, Abstract Book 62nd Scientific Sessions, Vol 51, Suppl. 2, page A145, June 2002.	
JS		Poster #560, Hodge, et al., "PN2022: Antidiabetic Efficacy and Reversal of Steatohepatitis in ob/ob Mice." Presentation at the 62nd Scientific Sessions, Meeting of the American Diabetes Association on June 14-18, 2002 and corresponding to Abstract 560-P.	
JS		Poster #581, Hodge, et al., "PN2034: Orally Active Antidiabetic Agent with a Unique Spectrum of Activity and Enhanced Safety Profile", Presentation given at the 62nd Scientific Sessions, Meeting of the American Diabetes Association on June 14-18, 2002 and corresponding to Abstract 560-P.	
JS		Poster #568, Lu, et al., "PN2034-A Novel Antidiabetic Agent That is a Selective PPAR Modulator", Presentation given at the 62nd Scientific Sessions, Meeting of the American Diabetes Association on June 14-18, 2002 and corresponding to Abstract 568-P.	
JS		Poster #586, von Borstel, et al., "PN2034: Reversal of Insulin Resistance and Attenuation of Weight Gain in Mice on a High-Fat Diet", Presentation given at the 62nd Scientific Sessions, Meeting of the American Diabetes Association on June 14-18, 2002 and corresponding to Abstract 568-P.	

Examiner Signature	Date Considered
<i>[Signature]</i>	5/1/04

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Substitute for form 1448B/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/884,740
		Filing Date	October 14, 2003
		First Named Inventor	Shalini Sharma
		Group Art Unit	1624
		Examiner Name	Sudhakar Patel
Sheet 10 of 10	Attorney Docket Number	18015-03	

NON PATENT PUBLICATIONS			
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
JS		Owada, et al., "Improved synthesis of trich", Nippon Kagaku Zasshi, Vol. 91, No. 10, pages 1002-1003, 1970. (Abstract).	
JS		Veronesi, et al., "Ozonolysis of derivatives of 7-hydroxytryptophan", Gazz. Chim. Ital., Vol. 97, No. 1, pages 19-24, 1987. (Abstract)	
JS		Kawamatsu, et al., Studies on antihyperlipidemic agents. Part 1. Synthesis and hypolipidemic activities of phenoxyphenylalkanoic acid derivatives", Arzneim. Forsch., Vol. 30, Issue 3, pages 445-459, 1980. (Abstract)	
JS		Chemical Abstract DN 132:22755, also cited as WO89/02520, 1999	
JS		Chemical Abstract DN 126:74845, also cited as J. Chem. Soc., Perkins Transactions 1, Org & Bio-Org. Chem., 21, 2803-2813, 1988.	
JS		Chemical Abstract DN 117:251790, also cited as Wo 92/12123, 1992	
JS		Chemical Abstract DN 113: 115839, also cited as Synthetic communications, 20/5,773-81, 1990.	
JS		Chemical Abstract DN 99: 122287, also cited as EP 71399, 1993	
JS		Kawamatsu et al., Arzneim. Forsch., Vol. 30 ISS3, 454-459, 1980.	

Examiner Signature	<i>[Signature]</i>	Date-Considered	8/4/04
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		Application Number	10/684,740
		Filing Date	October 14, 2003
		First Named Inventor	Shalini Sharma
		Art Unit	1614
		Examiner Name	Sudhaker Patel
		Attorney Docket Number	18015-D3

U.S. PATENT DOCUMENTS					
Examiner Initials ¹	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US- 4,098,816	07/04/1978	Thorne, et al.	
		US- 4,638,094	01/20/1987	Nakai, et al.	
		US- 6,555,536	04/29/2003	Burris, et al.	
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		Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)				
		WO 99/11255	03/11/1999			
		WO 99/20275	04/29/1999			
		WO 01/40170	06/07/2001			
		DE 2 309 986	08/29/1974			

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Sheet 2 of 2

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Application Number	10/684,740
Filing Date	October 14, 2003
First Named Inventor	Shalini Sharma
Group Art Unit	1614
Examiner Name	Sudhaker Patel
Attorney Docket Number	18015-D3

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